



FLIGHT REPORT

NORTH DAKOTA ATMOSPHERIC RESOURCE BOARD
SFN 50864(12/2014)

ENGINES OFF 23:04:13	HOURS 1.05		PAGE # 1	OF 1
ENGINES ON 22:01:00	DRY ICE RATE 0	1 GEN 0.46	2 GEN 0.15	
TOTAL TIME 01:03:13	DRY ICE (lbs) 0.00	EJCTBL (grams) 0	BIP (grams) 0	

DATE June 29, 2017		DISTRICT 1	SEED # 1	PILOT Kirk Hamilton				COPILOT Shelby Scorse				PURPOSE H	REMARKS <small>R - Rain H - Hail O - Other M - Maintenance C - Reconnaissance</small>
Time (HH:MM)	EVENT #	LATITUDE (deg)	LONGITUDE (deg)	CLD BASE (kft)	ALTITUDE (KFT)	UPDRAFT (FT/MIN)	TEMP (°C)	PRECIP CODE**	DRY ICE (sec)	FLARES		WINTIP GEN (#)	
22:02:52		46.17117	-103.3039		2.9					0	0	0	Engines on in Bowman.
22:12:54		46.22691	-103.2738		7.2					0	0	0	
22:15:56	1	46.32496	-103.3190	8.7	8.2	400	9	4		0	0	2	Two burners on.
22:24:52	2	46.36777	-103.2111	9	8.7	100	6	4		0	0	1	Right burner off.
22:34:54		46.18932	-103.1185		8.8					0	0	1	
22:44:56		46.21673	-103.2741		8.0					0	0	1	
22:52:20	3	46.19279	-103.3171	10	9.5		5	1		0	0	0	Left burner off.
23:02:21		46.17010	-103.3047		2.9					0	0	0	
23:04:14		46.17115	-103.3039		2.9					0	0	0	Engines off in Bowman.

**PRECIPITATION INTENSITY

- 0 - No Precipitation
- 1 - virga only, precip not to ground
- 2 - rain shaft to surface, light
- 3 - rain shaft well established, but can be seen through
- 4 - heavy rain shaft, cannot be seen through

MISSION SUMMARY

Launched to a series of cells to the North. Found inflow and started both burners because of a hail threat. Followed the line for a few minutes before the next radar image came out and then turned off one burner because the cells had weakened. Began to lose inflow and tried a few different cells with spotty inflow. RTB to Bowman when there were no more promising cells.